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| (21) International Application Number: PCT/NL98/00259 (22) International Filing Date: 11 May 1998 (11.05.98) (30) Priority Data: 97201423.7 12 May 1997 (12.05.97) EP <i>(34) Countries for which the regional or international application was filed:</i> NL et al. (71) Applicant (for all designated States except US): NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ON- DERZOEK TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): QUAX, Paulus, Hubertus, Andreas [NL/NL]; Jacob van Heemskercklaan 59, NL-2253 JX Voorschoten (NL). VERHEIJEN, Johan, Hendrikus [NL/NL]; Verdijkstraat 14, NL-2651 VB Berkel en Rodenrijs (NL). (74) Agent: SMULDERS, Th., A., H., J.; Vereenigde Octrooibu- reaux, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL). | | (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i> |
| (54) Title: METHOD AND CONSTRUCT FOR INHIBITION OF CELL MIGRATION | | |
| (57) Abstract A recombinant nucleic acid molecule comprising a vector useful for transfection or transduction of mammalian cells, wherein said vector contains a nucleic acid insertion encoding an expressible hybrid polypeptide or protein which comprises a domain with a binding function and a domain with an effector function. The domain with a binding function may comprise a receptor binding domain, and the domain with an effector function may have enzymatic activity, in particular protease inhibitor activity. The vector may be a viral (e.g. adenovirus or retrovirus) or non-viral vector useful for transfection or transduction of mammalian cells. The nucleic acid insertion encoding an expressible hybrid polypeptide or protein may be under the control of a cell- or tissue-specific promoter. A process for preventing local proteolytic activity, extracellular matrix degradation, cell migration, cell invasion, or tissue remodeling, comprising transfecting or transducing the cells involved or cells in their environment with the recombinant nucleic acid molecule to obtain local expression of the hybrid polypeptide or protein encoded thereby. A process for producing the hybrid polypeptide or protein by transfecting or transducing mammalian cells with the recombinant nucleic acid molecule to obtain expression and optionally recovering the hybrid polypeptide or protein produced. | | |

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